

## MITIGATION MEASURES FOR THE CTF MASTER PLAN MEADOWS SITE PLAN

Mitigation measures are listed by the specific element or resource analyzed in the environmental assessment. The mitigation measures listed in the proposed action are included so that all measures can be referenced to in one document.

### Mitigation Contained in the Proposed Action

Forest removal will be mitigated by restoring approximately 218,500 square feet of cleared land to a forest or wetland environment. Mitigation areas will include the sewage treatment site, old aircraft parking pads, and areas near the helipads. Landscaped areas around the buildings and the parking lots will be mitigated utilizing native plant materials.

### Mitigation Developed in the Environmental Analysis

#### Air Quality

Dust emission will be monitored once vegetation is cleared for new developments. If dust levels become high enough to restrict visibility or cause discomfort to personnel on site, watering of dry areas will be initiated. Watering will continue until conditions improve and dust levels are low. If paved access roads become dusty from tracked mud or spilled dirt, the roads will be cleaned with street sweeping equipment.

#### Cultural Resources

Standard cultural stipulations are adequate. No mitigation measures are required.

#### Invasive, Non-Native Species

Clearing and soil disturbance will be minimized where practicable to limit opportunities for invasive, non-native species to become established. Topsoil or fill material brought on site will be free of invasive, non-native species. Reclamation will begin as soon as possible and only native species and seeds certified free of noxious weeds will be used. During and following construction, disturbed areas will be monitored for invasive, non-native species and eradicated by hand or mechanical means.

#### Subsistence

No mitigation measures are required.

#### Water Quality (Surface/Ground)

Silt traps will be placed in strategic areas to prevent runoff of water with high silt loads. Biofiltration swales will be designed into the site to filter out suspended solids and prevent them from reaching ground water. Standard stipulations for spill prevention and clean up are adequate to protect ground water.

Wastes (Hazardous/Solid)

If hazardous materials are discovered or spilled, standard abatement requirements and stipulations for the CTF are adequate to protect the environment against contamination. No additional mitigation measures are required.

Wetlands/Riparian Zones

The flow of surface and shallow ground water will be provided for under the access road if it is developed. Culverts or porous materials that provide pathways for water flow and prevent any ponding will be designed into the road bed.

Reclamation of the sewage lagoon area will retain the existing ponds after the facilities and liners have been removed rather than being filled with soil. Ground water may create a small pond that can be maintained. The site will be restored as a wetland/riparian site rather than an upland site.

Noise

Equipment operated on site will be equipped with functioning mufflers and other standard noise reduction devices. Hours of construction will be between 6:00 a.m. and 10:00 p.m. to reduce noise to surrounding residential areas and for recreation users on site.

Recreation

Recreation users will be informed of the construction activities by signing and through notices to the Campbell Tract/Far North Bicentennial Park user group and other user groups. Reasonable alternative routes for passage of recreation users will be provided when trails or parking areas are impacted.

Socio-economics

No mitigation measures are required.

Soils

On undisturbed areas that are planned for vegetation clearing, topsoil will be removed to a depth of 15 to 18 inches and stockpiled. Stockpiled topsoil will be used to rehabilitate cleared areas or the mitigation areas depicted on the site plan figures.

Topsoil will be brought in to supplement stored topsoil and placed on the proposed mitigation areas where inadequate depths of soil exist to support vegetation growth. Soil brought in will be free of weeds and of high quality to promote plant growth.

Traffic

Signs will be placed at strategic locations to provide for the safety of vehicle occupants traveling on the CT. During periods of heavy truck traffic, flag persons will be provided as necessary to direct traffic.

### Vegetation

If the entrance road is relocated, the replaced portion of the entrance road will be rehabilitated to native vegetation. The replaced section of road will be rehabilitated utilizing tree species and lower growing shrub and herbaceous plants.

A vegetation mitigation plan with specific reclamation details will be developed prior to construction. The plan will include provisions for the removal of vegetation from the areas planned for clearing and transplanting to the identified mitigation areas. Transplanting will include trees up to 10 to 15 feet in height. The larger transplanted vegetation will be supplemented by transplanting shrubs, herbaceous plants and grass species utilizing those that are desirable for wildlife species. Any seeding will also favor plant species that have higher value for wildlife. Seeding and transplanted vegetation will only include weed free and native species. Fencing of rehabilitated areas or protection of individual trees will be required to prevent moose browsing during vegetation establishment.

### Visual Resources

Landscaping will include screening vegetation planted around buildings and ware yards to improve visual appearance.

### Wildlife

The impact of the loss of nesting bird habitat will be decreased by allowing vegetation clearing activities to occur only from July 15 to April 1, before and after nesting activity.

Habitat mitigation will favor transplanting or planting plant species that have greater value for wildlife, such as aspen, cottonwood or willows, and berry or seed producing species. Rehabilitated areas will be protected by fencing or other means to prevent damage from moose until plants become established and of a size able to withstand browsing. Undesirable plant species such as alder will be mechanically removed from rehabilitated areas and maintained as a minor component of the plant community.

During construction, bear proof trash containers will be placed near work areas and all waste food deposited in them. Construction employees will be made aware of the requirement not to leave food around and to dispose of waste food properly.